



DEPARTMENT: Williamsburg Regional Library/Automated Services

NATURE OF WORK:

Under the supervision of the Assistant Library Director, the Library Network Administrator manages the WRL's networked systems. Develops and maintains WRL's network in close consultation with users, tailoring it to meet their functional specifications. Works closely with the Library Systems Administrator to ensure the smooth operation of all automated systems, including the Dynix integrated library system. Participates in the analysis and planning of automated services operations within the Support Services department.

ESSENTIAL FUNCTIONS OF THE JOB:

Manages and maintains the operation of all aspects of the library's computer network, including the Internet, email, and file servers, through the use of backups, monitoring, and troubleshooting techniques.

Assesses need for network upgrades, additions, and modifications in consultation with library staff; plans and implements such changes.

Responds to support requests from staff and patrons.

Trains automated services colleagues on network procedures.

Serves as primary contact with network operations vendors (hardware, software, and data communications; interactions with Dynix are managed by the Library Systems Administrator).

Documents problems and tracks their resolution.

Develops and maintains network security.

Contributes to the budget planning process for automated services. Assesses the need for and makes recommendations on the purchase, repair, and replacement of hardware, software, and peripherals (including contractual services) for the library's computer network.

Develops and maintains knowledge of the computer network industry. Uses this knowledge to develop and recommend plans and policies involving library technology.

Assists the Library Systems Administrator as needed, handling Dynix support functions such as backups, upgrade installations, troubleshooting, and emergency shutdown.

May participate in library-wide committees or projects.

Performs other duties as required.

JOB LOCATION AND EQUIPMENT OPERATED:

The job is based at the James City County Library but requires frequent visits to the Williamsburg Library. Administers work typically sitting in an office, in the computer room, and at library computer workstations. Requires sustained use of computers and a video display terminal; operation of modems and other office equipment as required. Requires some light lifting and work with cabling. Regular contact is made with employees, vendors, technicians, community groups, and the general public.

REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES:

Extensive skills with relational databases and personal computers.

Extensive working knowledge of a library automated system preferred.

UNIX and Microsoft networking knowledge helpful.

Knowledge of other networking systems, especially as it affects library automated systems.

Ability to organize work, set priorities, use time effectively, work independently, and meet deadlines.

Excellent written and verbal communication skills.

Ability to establish and maintain effective working relationships with staff members, vendors, technicians, community groups, and the general public.

MINIMUM QUALIFICATIONS:

Bachelor's degree or equivalent training and experience in related fields to provide necessary expertise.

NECESSARY SPECIAL QUALIFICATIONS:

Requires the ability to travel among various library sites.

Date: June 2003
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IDENTIFICATION OF GENERAL APTITUDES AND PHYSICAL REQUIREMENTS

Position Title Library Network Administrator Position Number 828
Department Williamsburg Regional Library Division Automated Services

The Americans with Disabilities Act requires that we identify the general aptitudes and physical requirements needed to perform the job listed above. Individuals who have the position must be able to perform all essential job functions unaided or with reasonable accommodation.

I. Mental Abilities: General learning ability. The ability to “catch on” or understand instructions and underlying principles.

- ☒ Ability to understand and follow oral instruction
- ☒ Ability to understand and follow written instruction
- ☒ Ability to guide and/or give instructions
- ☒ Ability to make decisions in accordance with established procedures and policies
- ☐ Not essential to job function

II. Verbal Abilities: Ability to understand meanings of words and ideas associated with them and to use them effectively. To comprehend language, to understand relationships between words, and to understand meanings of whole sentences and paragraphs. To present information or ideas clearly.

1. Speaking/Talking:

- ☒ Answering telephone, radio, or switchboard
- ☒ Communicating with County officials
- ☒ Communicating with general public
- ☒ Communicating with vendors
- ☒ Communicating with supervisors and/or with other employees
- ☐ Communicating with others _____
- ☐ Not essential to job function

2. Hearing/Listening:

- ☐ Ability to distinguish between different tones
- ☒ For communication with County officials, public, vendors, supervisors and/or other employees
- ☐ Not essential to job function

3. Reading: (ability to read and understand text)

- ☒ Essential to job function
- ☐ Not essential to job function

III. Numerical: Ability to perform arithmetic operations quickly and accurately.

- ☒ Ability to mentally perform accurate two digit calculations
- ☒ Ability to perform accurate calculations aided
by a calculator, adding machine or measurement device
- ☐ Not essential to job function

IV. Spatial Abilities: Ability to comprehend forms in space and understand relationships of plane and solid objects. May be used in such tasks as blue print reading and in solving geometry problems. Frequently described as the ability to “visualize” objects of two or three dimensions, or to think visually of geometric forms.

- ☒ Essential function
- ☐ Not essential function

V. Motor Coordination: Ability to coordinate eyes and hands or fingers rapidly and accurately in making precise movements with speed. Ability to make a movement response accurately and quickly.

1. Manual Dexterity: Ability to move the hands easily and skillfully. To work with the hands in placing and turning motions.

- | | |
|--|--|
| <input checked="" type="checkbox"/> Use telephone | <input checked="" type="checkbox"/> Manipulate computer keyboard and mouse |
| <input type="checkbox"/> Use switchboard | <input type="checkbox"/> Use postage machine |
| <input type="checkbox"/> Use radio/console | <input checked="" type="checkbox"/> Use hand tools |
| <input checked="" type="checkbox"/> Use a calculator | <input type="checkbox"/> Use power tools |
| <input checked="" type="checkbox"/> Use a copy machine | <input type="checkbox"/> Other: _____ |
| <input checked="" type="checkbox"/> Use a fax machine | <input type="checkbox"/> Not essential to job function |

2. Finger Dexterity: Ability to move the fingers and manipulate small objects with the fingers rapidly or accurately. For example: electrical wiring.

- ☒ Essential to job function
- ☐ Not essential to job function

Explain: See job description.

VI. Physical Demands:

1. Strength: The quality, state or property of being strong. The power to withstand strain, force or stress.

Please check (✓) in appropriate boxes below.

Ability to manipulate materials and/or equipment (lbs)							Frequency of Manipulation		
	5-	5-10	10-15	15-25	25-50	50 +	Occasionally	Frequently	Continuously
Lift				✓				✓	
Push/Pull					✓		✓		
Hold/Carry				✓				✓	

Manipulation done from: ☒ ground to waist ☒ waist level ☐ waist to shoulder ☐ above shoulder
(Check all that apply)

Not essential to job function: ☐ Lift ☐ Push/Pull ☐ Hold/Carry (Check all that apply)

2. Climbing: To move up or mount by using the hands or feet.

Ladders

- ☒ Step stool
- ☐ 8' to 10' step ladder
- ☐ Extension ladder
- ☐ Other _____
- ☐ Not essential to job function

Stairways

- ☐ 1 flight
- ☒ 2 flights
- ☐ 3 or more flights
- ☐ Other _____
- ☐ Not essential to job function

Steps

- ☐ 1-2
- ☐ 2-3
- ☒ 3-4
- ☐ Other _____
- ☐ Not essential to job function

3. Ability to Stand, Sit, Walk, and Run:

Please check (✓) in appropriate boxes below.

Duration (hours/day)							Occasionally	Frequently	Continuously
	0-1	1-3	3-5	5-7	7-9	9 +			
Stand			✓					✓	
Sit				✓				✓	
Walk		✓						✓	
Run									

If walking or running, over what type of terrain? ☒ flat ☐ rough ☐ both

Not essential to job function: ☐ Stand ☐ Sit ☐ Walk ☒ Run (Check all that apply)

4. Stooping, Kneeling, Crouching, and/or Crawling:

To bend forward or down from the middle of the waist or the middle of the back, to bend downwards, to lower oneself and/or to move freely on hands and knees.

Daily Amounts

- ☐ 0-5x ☒ 5-20x ☐ 20-50x ☐ 50+x
☐ Other _____ ☐ Not essential to job function

5. Reaching, Handling, Fingering, and/or Feeling:

To stretch out, extend, or put forth a bodily part. To touch or grasp something, by extending or stretching. To touch, lift, hold or operate with the hands.

Daily Amounts

- ☐ 0-5x ☐ 5-20x ☐ 20-50x ☒ 50+x
☐ Other _____ ☐ Not essential to job function

6. Seeing: To perceive or comprehend by the sense of sight.

Essential to job function: These characteristics are necessary (Check all that apply)

- ☒ Peripheral vision
☐ Night vision
☒ Focus (distinctness or clarity)
☒ Color perception (discriminate between colors)
☒ Depth perception (determine distance relationship between objects)
☐ Not essential to job function

VII. Driving: The ability to transfer or convey in a vehicle.

Transmission	Standard	Automatic	Multi-Gears
Car	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Van	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small Truck	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Medium Truck	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Large Truck	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Truck w/Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Bus Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not essential to job function	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Other (list) _____			